
RAPHAEL CLOUATRE, University of Manitoba

Uniform quotients and C^ -envelopes on the Drury-Arveson space*

Quotient modules of the Drury-Arveson space serve as concrete functional models in multivariate operator theory. We explore some of the operator algebraic properties of the canonical generators of these modules. We show how the "approximate" zero set of the associated annihilating ideal can detect whether certain operator algebras are uniform algebras. In turn, this information determines the C^* -envelope of these algebras. This is joint work in progress with Edward Timko.